## AMENDMENTS

**In the claims:**

1-16. (Canceled)

17. (**Currently Amended**) An apparatus for fabricating an array, comprising:

      (a)    a head system with multiple pulse jet drop dispensers;

      (b)    a transport system to move the head system with respect to a substrate;

      (c)    a processor which controls the head and transport system so as to **fabricate an array of multiple feature sets, wherein each feature set is made up of multiple features, wherein said processor** deposit**s** at least one set of drops from a corresponding same dispenser onto a substrate for each of multiple sets of neighboring features, so as to form the array with the feature sets formed from drops deposited by respective different dispensers; wherein a distance between at least two neighboring sets of features is greater than an average distance between features within the sets, both as measured in a same direction.

18. (Canceled)

19. (Original) An apparatus according to claim 17 additionally comprising a loading station with receptacles to retain multiple different fluids such that the dispensers can be simultaneously brought into contact with respective receptacles for loading the dispensers with the different fluids.

20. (Original) An apparatus according to claim 17 wherein each dispenser can hold no more than 100 µl of a fluid for dispensing drops.

21. (Original) An apparatus according to claim 19 wherein a set of biomonomer containing drops is deposited from the same dispenser for each feature of the feature sets.

22. (Original) An apparatus according to claim 19 wherein the different dispensers of

the head system are moved in unison by the transport system.

23. (Original) An apparatus according to claim 22 wherein different dispensers deposit at least some of the drops of their respective drop sets on a same pass over the substrate.

24. (Previously Presented) An apparatus according to claim 17 wherein said head system comprises at least ten different dispensers.

25. (Original) An apparatus according to claim 22 wherein each set of neighboring features includes at least four features in a non-linear configuration.

26. (Original) An apparatus according to claim 22 wherein a distance between at least two neighboring feature sets is greater than a greatest distance separating features within the sets, both distances as measured in a same direction.

27. (Original) An apparatus according to claim 22 additionally comprising a substrate cutter, and wherein the processor causes multiple arrays to be fabricated on a same substrate, and additionally causes the cutter to separate the substrate into multiple segments each carrying at least one of the arrays.

28. (Original) A method according to claim 22 wherein the distance between neighboring sets of features is no greater than 2 mm.

29. (Original) A computer program product for use with an apparatus for fabricating an array having multiple drop dispensers and a processor, the computer program product comprising a computer readable storage medium having a computer program stored thereon which, when loaded into the processor, performs the step of: for each of multiple sets of neighboring features, depositing at least one set of drops from a corresponding same dispenser onto a substrate so as to form the array with the sets formed from drops deposited by respective different dispensers and with a distance between at least two neighboring sets of features which is greater than an

average distance between features within the sets, both as measured in a same direction.

30. (Previously Presented) A computer program product according to claim 29 wherein the program coordinates the positioning and firing of pulse-jets.

31. (Original) A computer program product according to claim 29 wherein the different dispensers deposit at least some of the drops of their respective drop sets on a same pass over the substrate.

32. (Previously Presented) A computer program product apparatus according to claim 29 wherein the number of different dispensers are at least ten different dispensers.

33. (Original) A computer program product according to claim 22 wherein each set of neighboring features includes at least four features in a non-linear configuration.

34. (Original) A computer program product according to claim 22 wherein a distance between at least two neighboring feature sets is greater than a greatest distance separating features within the sets, both distances as measured in a same direction.

35. (Previously Presented) The apparatus according to Claim 17, wherein at least one of said pulse jet drop dispensers has a displacement error.

Please enter the following new claim

36. (New) The apparatus according to Claim 17, wherein said processor fabricates multiple arrays on a substrate, wherein each of said multiple arrays comprises multiple feature sets, wherein each feature set is made up of multiple features.

37. (New) The apparatus according to Claim 17, wherein all features of a feature set have the same spacing.